

Date: Mon, 25 Apr 94 10:33:53 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #457
To: Info-Hams

Info-Hams Digest Mon, 25 Apr 94 Volume 94 : Issue 457

Today's Topics:

ACC
Acceptable use of HAM radio
Elmers! Help a newbie prepare for Dayton
FCC computers
Help, no license yet!
Looking for any and all info on LoJak
Mis-Posting of ORBS\$
Non-US callsign ID's (5 msgs)
RS Sale on Handhelds ????
SWR & Power Loss (3 msgs)
tcpip coordinator in TN?
The Confiscated HT Story (was Illinois anti scanner legisla)
What are the dimensions for a 2m J-pole?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 25 Apr 1994 09:30:38 -0400
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!prism!prism!not-for-mail@network.ucsd.edu
Subject: ACC
To: info-hams@ucsd.edu

FMUS1184@VEGA.SELU.EDU (ROBERT G. PRIEZ) writes:

>Here are two references I have for Advanced Computer Controls:

> |ACC company now on email:
> |Internet electronic mail by using the address: 72114.2062@compuserve.com

>or to subscribe to the acc-l list send the SUBSCRIBE command to:

> |Mail-Server@slic.cts.com.
> |Please note that commands are sent to Mail-Server and postings or
> |replies are sent to the list at acc-l@slic.cts.com.

>WB5FBS
>bobpriez@selu.edu

Just a quick note here about the ACC-L mailing list...

It is hosted on gitvm1.gatech.edu (gitvm1.bitnet for those in both worlds). If you have trouble getting to Mike's mirror on slic.cts.com then you can send mail to listserv@gitvm1.gatech.edu. In the body of your mail message, put "subscribe acc-l your-name". Replace "your-name" with the name you wish to have appear on outbound messages from you. Please don't use psuedo names or "handles" on the list.

As always, problems or questions can be sent to me (I am the list owner and am responsible for it if it breaks (:) at the address(es) in my .sig.

The folks at ACC are subscribed to the list via their Compu\$erve account, but I have no idea how often they check for mail.

Enjoy,

Monte KC4GPW

--
Monte Freeman -- Operations Department / Information Technology
Georgia Institute of Technology, Atlanta Georgia, 30332
Internet: ccoprfrfm@prism.gatech.edu
Bitnet: ccoprfrfm@gitvm1.bitnet

Date: 25 Apr 94 15:20:20 GMT
From: ncrgw2.ncr.com!ncrhub2!tdbunews!nsc32!wps@uunet.uu.net
Subject: Acceptable use of HAM radio
To: info-hams@ucsd.edu

Sure sounds like an ARES event. Many events like walk-a-thons, parades, bike races, to name a few, have been done by ARES members.

Bill

```
+-----+
| Bill Starkgraf                                wps@ElSegundoCA.ncr.com |
| AT&T Global Information Solutions              (310) 524-5754           |
| El Segundo, CA                               (800) 222-8372 x5754         |
|                                               |
| Call: KD6UQB                                Simi Settlers ARC         |
|                                               Simi Valley, CA           |
+-----+
```

Date: 25 Apr 1994 12:12:53 GMT
From: ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!eff!news.kei.com!yeshua.marcam.com!
zip.eecs.umich.edu!newsxfer.itd.umich.edu!news.itd.umich.edu!
usenet@network.ucsd.edu
Subject: Elmers! Help a newbie prepare for Dayton
To: info-hams@ucsd.edu

This is the first time I'll be attending the HamVention
(had my ticket one year) and I'm hoping all the experts
can give me a leg up on do's and don'ts to make the most
of the trip. I'll be attending Thur - Sun. I'd really
appreciate any suggestions! I'm looking into satellite
work if that would make any difference.

Date: Mon, 25 Apr 1994 14:13:34 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!uwm.edu!mixcom.com!
kevin.jessup@network.ucsd.edu
Subject: FCC computers
To: info-hams@ucsd.edu

In <042394000906Rnf0.77b9@amcomp.com> dan@amcomp.com (Dan Pickersgill) writes:

>jlw3@cec3.wustl.edu (Jesse L Wei) writes:

>>Here's the latest FCC laugh -- I called the Gettysburg office today and
>>the first thing I heard was "our computers are down. . ."

>>

>>Go figure. . .Does this mean processing times will fall another week behind???

>>

>>--jesse

>Depends on how much time the people at Gettysburg spend on the phone

>answering questions vs. issuing licenses.

I doubt if those who do the FCC license paper work (all two of them :-) also maintain the computer systems. Anyway, all government computer and network techs are busy trying to keep the IRS computers online! ;-))

BTW, what kind of computer are they running over in Gettysburg? A PDP 1123 with the washing-machine sized drives?? On the otherhand, even RSX11 is better than DOS!!

```
--  
/`-_-      kevin.jessup@mixcom.com  
{      }/    Marquette Electronics, Inc  
 \      /    N9SQB, ARRL, Amateur Radio  
  |__*|    N9SQB @ WD9ANY.#MKE.WI.USA.NA
```

Date: 25 Apr 1994 15:41:42 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!
news.uoregon.edu!netnews.nwnet.net!owl.csr.v.uidaho.edu!raven.csr.v.uidaho.edu!
cross901@network.ucsd.edu
Subject: Help, no license yet!
To: info-hams@ucsd.edu

Can anyone help me? I passed my test to become a no-code tech six months ago, and I haven't received my license yet. A couple month ago, I found out that the FCC lost all my paper work, so I had to send my paperwork in again. They said that they were going to put a rush on it and that it would only take four weeks.

I would greatly appreciate it if anyone could tell me why it takes so long to get a license. Also, if anyone could speed my license along would also be appreciated.

My name is Rich Crossler and I live in Moscow, Idaho. My friend who gave me the test was KA1POR. He has been trying to contact the ARRL to see if they can shed some light on the difficulties.

Thank you for your time.

Rich

Date: 25 Apr 1994 13:41:17 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!carnadmin.gatech.edu!
user@network.ucsd.edu

Subject: Looking for any and all info on LoJak
To: info-hams@ucsd.edu

Message cross-posted to
:rec.radio.amateur.misc,sci.electronics,rec.autos.tech

I am looking for information about LoJak auto recovery system. I am interested in how it works, what frequency/ies it uses, how it is activated, and any and all other information on this product.

Please email me. I will post a summary/FAQ if there is sufficeint response.

Ben
bscott@bnext.gatech.edu

Date: Mon, 25 Apr 1994 07:13:13 GMT
From: ihnp4.ucsd.edu!pacbell.com!unet!loren!larson@network.ucsd.edu
Subject: Mis-Posting of ORBS\$
To: info-hams@ucsd.edu

In article <CSLE87-210494100755@145.39.1.10> CSLE87@email.mot.com (Karl Beckman) writes:

>RAY: Please note that your posting of orbital data files should be
>restricted to the rec.radio.amateur.SPACE newsgroup only. Please do not
>cross-post them into this newsgroup. If you are unsure about this
>procedure, please check with AMSAT or the r.r.amateur.info group moderator
>for more assistance.

Sorry, Karl, I disagree. The orbital data has been posted here for some time, and is useful to us.

I just wanted to make it clear that not all of the readers of this group agree with Karl -- I think the elements here is quite reasonable.

I disagree with Karl appointing himself to speak for the rest of us.

Alan

Date: 25 Apr 1994 14:17:19 GMT
From: ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!eff!news.duke.edu!acpub.duke.edu!

thomasr@network.ucsd.edu
Subject: Non-US callsign ID's
To: info-hams@ucsd.edu

I have just made my first DX contacts on 10-meters and the two gentlemen requested QSO cards. Is there a telnet site where I can find addresses for international callsigns. cs.buffalo.edu 2000 did not recognize the signs.

HR2JAE Honduras Central America
P43WLP Paraguay name was William

As my first DX successes, I felt pretty satisfied. I was using an HTX-100, running 25 watts into a 16+ ft dipole strung as an inverted V in my garage attic. Just takes patience I suppose!!

Thanks,
Ron Thomas
thomasr@acpub.duke.edu

Date: 25 Apr 1994 15:24:09 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!haven.umd.edu!cville-srv.wam.umd.edu!ham@network.ucsd.edu
Subject: Non-US callsign ID's
To: info-hams@ucsd.edu

> I have just made my first DX contacts on 10-meters and the two
>gentlemen requested QSO cards. Is there a telnet site where I can
>find addresses for international callsigns. cs.buffalo.edu 2000 did
>not recognize the signs.

>
> HR2JAE Honduras Central America
> P43WLP Paraguay name was William
>

> As my first DX successes, I felt pretty satisfied. I was using an
>HTX-100, running 25 watts into a 16+ ft dipole strung as an inverted V
>in my garage attic. Just takes patience I suppose!!

>Thanks,
>Ron Thomas

Hmmm, seems to me that P43WLP would be from Aruba. And that's a pretty long callsign for a station from Aruba. The prefix for Paraguay is "ZP."

Unfortunately, I know of no DX callsign server around. Maybe someone else will. Just figured I'd bring the callsign discrepancy to your attention.

Scott NF3I

--

73,

----- The
 \ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live \$5.00
WAC-CW/SSB WAS DXCC - 125 QSLed on dipoles -----| Dipoles! Antenna!

Date: 25 Apr 1994 15:49:07 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!cs.utexas.edu!
convex!news.duke.edu!acpub.duke.edu!thomasr@network.ucsd.edu
Subject: Non-US callsign ID's
To: info-hams@ucsd.edu

Sorry for the error in my posting of two callsigns I am trying to find routes
for. The callsign given to me as P43WLP was INDEED from Aruba, and not from
Paraguay. I read the wrong line while I was typing.
ron thomas

Date: Mon, 25 Apr 1994 16:01:08 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!fc.hp.com!jayk@network.ucsd.edu
Subject: Non-US callsign ID's
To: info-hams@ucsd.edu

: > P43WLP Paraguay name was William
: >Ron Thomas

: Hmmm, seems to me that P43WLP would be from Aruba. And that's a pretty
: long callsign for a station from Aruba. The prefix for Paraguay is "ZP."
: Scott NF3I

Yes that should be a Aruba callsign. Since his first name is William he
likely requested his initials. Its easy to get the call of you choice in
many countries.

But to answer the original question if you plan to work and 'QSL'
lots of DX stations a DX Callbook is a good investment. ^^^

73, Jay K0GU jayk@fc.hp.com

Date: Mon, 25 Apr 1994 16:04:17 +0000
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!pipex!demon!g8sjp.demon.co.uk!

ip@network.ucsd.edu
Subject: Non-US callsign ID's
To: info-hams@ucsd.edu

In article <2pgnap\$gen@cville-srv.wam.umd.edu>
ham@wam.umd.edu "Scott Richard Rosenfeld" quotes:
writes:

> > HR2JAE Honduras Central America
> > P43WLP Paraguay name was William
> >

and goes on to say:

> Hmmm, seems to me that P43WLP would be from Aruba. And that's a pretty
> long callsign for a station from Aruba. The prefix for Paraguay is "ZP."

Yup. Aruba. The call is valid, too:
William L. Philips, Box 2035

>
> Unfortunately, I know of no DX callsign server around. Maybe someone
> else will. Just figured I'd bring the callsign discrepancy to your
> attention.

What discrepancy would that be?

>
> Scott NF3I

--
Iain Philipps

Date: Mon, 25 Apr 1994 15:25:22 GMT
From: src.dec.com!crl.dec.com!nntpd.lkg.dec.com!ryn.mro.dec.com!est.enet.dec.com!
randolph@decwrl.dec.com
Subject: RS Sale on Handhelds ????
To: info-hams@ucsd.edu

In article <766770441.AA09238@rochgte.fidonet.org>,
Brad.Ward@f2711.n206.z1.fidonet.org (Brad Ward) writes...
> JD> didn't support the users of their first system. If I were you I'd stay
> JD> away from the RS products and buy your handheld from a reputable ham
> JD> radio manufacturer.
>
> On the contrary, Radio Shack is a 'reputible ham radio manufacturer.'

> Many of my friends on the air, as well as myself, have the 2M rig, and
> have had no or minimal problems with it.

Yes, in fact I know of at least one 202 that's taken a bit of a beating over its life, with zero problems. Nice little radio, with all of the bells and whistles, at a good price. You don't get wide-band receive. This is bad if you want it, but it's good if you want an interference-free radio.

-Tom R. N100Q randolph@est.enet.dec.com

Date: 25 Apr 94 14:48:34 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!vixen.cso.uiuc.edu!aries!hawley@network.ucsd.edu
Subject: SWR & Power Loss
To: info-hams@ucsd.edu

nx7u@aol.com (NX7U) writes:

>In article <1994Apr25.034740.8791@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary
>Coffman) writes:

>>This article, and other material I've seen, pooh-pooh the idea of a low
>>SWR. (Maybe I should preface this by saying I'm not a 1:1 SWR fanatic,
>>though. :-) These articles say that as long as you have low-loss cable,
>>most of the energy bouncing back and forth between the transmitter and
>>the antenna ends up going out the antenna anyway.

>>My question is: since the transmitter is matched to the line, why does
>>the reflected energy coming from the antenna get reflected again at the
>>transmitter? Why isn't it all (or mostly) absorbed in the finals?

>Well it depends. The precise scenario you describe is correct (I believe)--if
>the final amp is really Z0 ohms output feeding a transmission line of Z0 ohms
>characteristic impedance, then any reverse travelling wave sees no mismatch at
>that junction, and that power is absorbed by the amplifier and essentially
>converted to heat.

????

>Which would explain why your fan on that solid-state rig runs harder when
>you're delivering into a crappy load :-)

>If there is a tuner involved it's a different story. The tuner establishes a
>conjugate match at the amp/line junction, so there *is* a mismatch there.

>Reflected energy re-reflected from the amp/line junction, and any power not
>reflected is again dissipated in the amp as heat. The point of the conjugate
>match is to insure that the re-reflected voltage appears essentially in phase
>with the original incident voltage to maximize the power transfer.

>The problem with using the tuner at the TX output is that the SWR of the line
>can cause additive heat losses in the coax beyond the nominal dB/100'

>specification. This occurs because at current peaks in the standing wave on
>the coax, there's more I²R loss. Although the SWR has to get pretty high (like
>10:1) for this phenomenon to have much effect.

I think this explanation is kind of mixed up, or too simple, or something.
What about the current minimums, isn't the I²R loss there less than the matched
case? This "reflected power is converted to heat in the amplifier" thing bothers
me too. If I were an amplifier and the load didn't want all the power, I just
wouldn't generate as much power.

Chuck KE9UW, Urbana, IL

Date: Mon, 25 Apr 1994 15:56:03 GMT

From: ihnp4.ucsd.edu!agate!cat.cis.Brown.EDU!noc.near.net!das-news.harvard.edu!
cantaloupe.srv.cs.cmu.edu!news@network.ucsd.edu

Subject: SWR & Power Loss

To: info-hams@ucsd.edu

> This occurs because at current peaks in the standing wave on
> >the coax, there's more I²R loss. Although the SWR has to get pretty
high (like
> >10:1) for this phenomenon to have much effect.
> I think this explanation is kind of mixed up, or too simple, or
something.
> What about the current minimums, isn't the I²R loss there less than the
matched
> case?

I thought it was dielectric losses at the voltage maximums, which
is why untuned dipoles matched with tuners work best with air spaced
ladder lines. You can run a high swr between the tuner and dipole
without the high losses coax would have in such a mismatched situation.

Date: 25 Apr 94 18:04:25 GMT

From: news-mail-gateway@ucsd.edu

Subject: SWR & Power Loss

To: info-hams@ucsd.edu

Text item: Text_1

>My question is: since the transmitter is matched to the line, why does
>the reflected energy coming from the antenna get reflected again at the
>transmitter? Why isn't it all (or mostly) absorbed in the finals?
>Ed Haymore | AA6EJ ed@byu.edu | Live long and prosper.

Hi Ed, I loved Gary's "spitting into a firehose" analogy and the 100%

theoretical reflection of reflected power is correct due to the conjugate match at the antenna tuner. I measure 100w out of my transmitter into my antenna tuner. I measure 150w forward power out of my antenna tuner. Neglecting losses, that means that 50w is being reflected and re-reflected so I am actually radiating 100w. The two things that cause SWR not to matter is the near-100% re-reflection of reflected power at the antenna tuner and near-lossless transmission line. It leaves reflected power with but one choice... RADIATE!

73, KG7BK, CecilMoore@delphi.com (I do not speak for Intel)

Date: 25 Apr 94 12:11:32 GMT
From: news-mail-gateway@ucsd.edu
Subject: tcpip coordinator in TN?
To: info-hams@ucsd.edu

Who is the tcpip coordinator in TN? I have a recent list but that person says they are no longer the coordinator. Who is actually passing out the numbers??? Please send reply direct if you know! Thanks!

--
Richard Clemens, KB8A0B clemens@max.chatham.edu

Date: 25 Apr 94 16:47:17 GMT
From: news-mail-gateway@ucsd.edu
Subject: The Confiscated HT Story (was Illinois anti scanner legisla)
To: info-hams@ucsd.edu

In article <9404200545592.DLITE.gilbaronw0mn@delphi.com>,
Gilbert Baron <gilbaronw0mn@delphi.com> wrote:

>
>This is the second story of this type that I have heard. I think it is
>another URBAN LEGEND myself. They would have no right to confiscate and
>anyone who brought the ht along would have to be pretty stupid anyway.
>Criminal act, give me a break.

>
Well Gil, I agree that this story has the potential to become an urban legend, which is why I posted the synopses of the press coverage from last year: to correct the errors from the original post. The fact is, it happened. Yes, it would appear that the San Diego Sheriff had no legal authority to confiscate the HT, but the department, with the aid of the local FCC Field Engineer, did succeed in coercing Chris to "voluntarily" donate his HT to the SD RACES rather than face prosecution. The last I heard, the San Diego County Supervisors voted to decline the "gift", although that part I have not been able to confirm. One thing that came out

last year when this story was fresh that I did not note in my earlier post is that at about the same time as Chris used his HT on the Sheriff's frequency to summon aid, another person was causing malicious interference on Sheriff's frequencies. The word is that the two together greatly irritated the Sheriff and drove the coercive activity that relieved Chris of his HT.

Since I'm a little too far North to follow the San Diego papers, does anyone from SD have the actual current status of this story?

Wm. A. Kirsanoff Internet: WAKIRSAN@ananov.remnet.ab.com
Rockwell International Ham: KD6MCI
(714) 762-2872
Alternate Internet: william_a._kirsanoff@ccmail.anatcp.rockwell.com

Who are you? * I am number 2. * Who is number 1? * You are number 6.

Date: 25 Apr 1994 13:22:55 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!prairienet.org!
bpea@network.ucsd.edu
Subject: What are the dimensions for a 2m J-pole?
To: info-hams@ucsd.edu

I just built a copper j-pole out of 1/2" copper tubing. It works great (even if I say sio myself) :-)

Here are the diminsions I used, swr is well below 1.3 all across the band:

Reflector - 57.375"
Stub - 19.125"
Gap - 1.250"
Feedpoint - ~2.500"

The antenna was designed for 146.00MHz.

Good luck !

Bruce, N9WKE

End of Info-Hams Digest V94 #457
